

L Number	Hits	Search Text	DB	Time stamp
1	633	152/427.ccls.	USPAT	2003/07/22 15:11
2	10	4240630.URPN.	USPAT	2003/07/22 14:40
3	6	4327912.URPN.	USPAT	2003/07/22 14:45
4	2	("3155110" "4240630").PN.	USPAT	2003/07/22 14:46
6	12	("0274447" "1389362" "1942959" "2288889" "2644663" "2737969" "2830610" "3116747" "3422844" "3822720" "3861416" "4012041").PN.	USPAT	2003/07/22 14:46
13	62	473/611.ccls.	USPAT	2003/07/22 14:49
19	48	3402710.URPN.	USPAT	2003/07/22 14:50
20	22	4428364.URPN.	USPAT	2003/07/22 14:52
21	0	6060639.URPN.	USPAT	2003/07/22 14:55
22	45	("3600718" "3839743" "3839821" "3883902" "3902198" "3919724" "3934274" "4190040" "4201202" "4216774" "4217889" "4253201" "4263682" "4413359" "4428364" "4520821" "4523584" "4566466" "4619245" "4662357" "4671255" "4685447" "4726404" "4738657" "4773393" "4773908" "4798584" "4802479" "4834720" "4840615" "4857053" "4863470" "4955906" "4955907" "4969899" "4992312" "5066303" "5085890" "5133753" "5137529" "5139841" "5141508" "5354275" "5403293" "5725507").PN.	USPAT	2003/07/22 14:55
23	9	4773908.URPN.	USPAT	2003/07/22 14:57
45	13	2183900.URPN.	USPAT	2003/07/22 15:03
46	4	5033498.URPN.	USPAT	2003/07/22 15:04
47	4	5033498.URPN.	USPAT	2003/07/22 15:07
54	18	("2073766" "2183900" "2295804" "2302985" "2318115" "2387433" "2387455" "2600862" "2760775" "2934344" "3100498" "3100641" "3107683" "3174501" "3204959" "3220729" "4341382" "4660831").PN.	USPAT	2003/07/22 15:09
111	0	152/427.ccls. and implant\$4	USPAT	2003/07/22 15:11
112	80	152/427.ccls. and body	USPAT	2003/07/22 15:20
113	2095	623/\$.ccls. and valve	USPAT	2003/07/22 15:20
114	655	623/\$.ccls. and valve and (unitary or integral)	USPAT	2003/07/22 15:21
115	265	623/\$.ccls. and valve and (unitary or integral) and (slit or pierce or hole)	USPAT	2003/07/22 15:55
116	0	6162251.URPN.	USPAT	2003/07/22 15:23
117	8	("3599681" "4433440" "4643733" "4685447" "5456716" "5507808" "5865807" "6079432").PN.	USPAT	2003/07/22 15:24
118	34	4643733.URPN.	USPAT	2003/07/22 15:24
119	11	4944749.URPN.	USPAT	2003/07/22 15:26

120	12	("3600718" "3663968" "3800132" "3852832" "3934274" "4125117" "4178643" "4240630" "4253201" "4263682" "4433440" "4643733").PN.	USPAT	2003/07/22 15:26
121	8	("3599681" "4433440" "4643733" "4685447" "5456716" "5507808" "5865807" "6079432").PN.	USPAT	2003/07/22 15:28
122	203	(623/\$.ccls. or 473/\$.ccls.) and valve with (unitary or integral)	USPAT	2003/07/22 16:03
123	411	duck adj bill adj valve	USPAT	2003/07/22 16:03
124	15	(duck adj bill adj valve) and implant	USPAT	2003/07/22 16:04
125	1	(duck adj bill adj valve).ti.	USPAT	2003/07/22 16:14
126	10	(duckbill adj valve).ti.	USPAT	2003/07/22 16:16
127	8	(duckbill adj valve) and implant	USPAT	2003/07/22 16:16
128	38	(duckbill adj valve) and implant\$4	USPAT	2003/07/22 16:33
129	56	implant\$4 with medical with balloon	USPAT	2003/07/22 16:34
130	13	valve and (implant\$4 with medical with balloon)	USPAT	2003/07/22 16:36
131	10	integral with valve with implant	USPAT	2003/07/22 16:36
132	8	integral with valve with implant and silicon\$4	USPAT	2003/07/22 16:37
133	8	(integral or unitary) with valve with implant and silicon\$4	USPAT	2003/07/22 16:38
134	1765	(integral or unitary) with valve and silicon\$4	USPAT	2003/07/22 16:38
135	1022	((integral or unitary) with valve) and silicon\$4 and (pierce or hole or slit or insert)	USPAT	2003/07/22 16:39

-	106	("5935013" "6008271" "3893928" "4166841" "4380855" "4558693" "4929214" "5941752" "4578041" "4872414" "5312362" "6258083" "5429605" "4447251" "4861649" "4968545" "6136025" "4911379" "5320604" "4917646" "5460200" "4364392" "4932241" "5306194" "5334072" "5807328" "5817046" "5897533" "5919163" "6050972" "6096055" "4243033" "4248008" "4386640" "4402476" "4412568" "4439185" "4463513" "4777951" "4816020" "4819751" "4828176" "4836499" "4837955" "4850969" "4917102" "4934986" "5011468" "5295892" "5295958") .pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/17 16:43
-	0	5941752.URPN.	USPAT	2002/11/17 16:45
-	0	5941752.URPN.	USPAT	2002/11/17 16:46
-	11	("1247809" "1771730" "3310024" "3786590" "4781645" "4929214" "5083961" "5098095" "5188558" "5279873" "5480339") .PN.	USPAT	2002/11/17 16:46
-	6	4558693.URPN.	USPAT	2002/11/17 16:55
-	5	("4201202" "4224934" "4353360" "4399812" "4411261") .PN.	USPAT	2002/11/17 16:56
-	75	implant\$9 with balloon with valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/17 16:58
-	0	6192917.URPN.	USPAT	2002/11/17 17:00

-	15	("3230663" "4674532" "4758198" "5108339" "5188558" "5248275" "5295892" "5336123" "5405479" "5451179" "5595521" "5733406" "5830780" "5878768" "5934310").PN.	USPAT	2002/11/17 17:00
-	5	5934310.URPN.	USPAT	2002/11/17 17:00
-	9	5830780.URPN.	USPAT	2002/11/17 17:01
-	8	4718410.URPN.	USPAT	2003/07/21 15:31
-	52	microballoon and valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/17 17:14
-	502	600/29,30,31,32.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 13:48
-	164	600/29,30,31,32.ccls. and balloon	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 17:55
-	235	600/29,30,31,32.ccls. and valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/17 17:18
-	0	6398718.URPN.	USPAT	2002/11/17 17:22
-	25	("4055178" "4258705" "4804375" "4834704" "4850963" "4871542" "5019032" "5030199" "5188109" "5234409" "5334197" "5443470" "5472441" "5513659" "5579781" "5604531" "5653689" "5704353" "5732714" "5762599" "5800478" "5806527" "5989230" "6039967" "6066088").PN.	USPAT	2002/11/17 17:22
-	40	balloon with (valve adj stem)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/17 17:33
-	74	silicon with (((duck adj bill) or check) with valve)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/17 17:35
-	2	silicon with (((duck adj bill) or check) with valve) and balloon	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 10:39
-	956	604/96.01,99.02,99.03,99.04.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 10:58
-	8	(pierce or puncture) with (((duck adj bill) or check) with valve) and balloon	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/17 18:21

-	150	(pierce or puncture) with valve and balloon	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/03/24 09:55
-	0	6312405.URPN.	USPAT	2002/11/17 18:25
-	0	6312405.URPN.	USPAT	2002/11/17 18:25
-	10	("3834394" "3978863" "4213461" "4327734" "4471779" "4517979" "4819637" "5181921" "5222970" "5779672").PN.	USPAT	2002/11/17 18:25
-	33	5181921.URPN.	USPAT	2002/11/17 18:26

-	179	("1341052" "2078182" "2549335" "3334629" "3485234" "3649224" "3868956" "4327734" "4341218" "4346712" "5152784" "4402319" "4441495" "4494531" "4512338" "4545367" "4553545" "4611594" "4629458" "4638803" "RE32348" "4655771" "4670286" "4718907" "4732152" "4748986" "4768507" "4795458" "4798606" "4800882" "4813925" "4820298" "4830003" "4850960" "4856516" "4873978" "4950258" "4954126" "4957479" "4957501" "4990155" "4994069" "4994071" "5002556" "5015253" "5019090" "5026377" "5035706" "5643339" "5037377" "5041084" "5041126" "5061275" "5064435" "5071407" "5104404" "5108407" "5109867" "5122136" "5133364" "5133731" "5133732" "5141502" "5143085" "5147370" "5151105" "5160341" "5171273" "5176625" "5176661" "5181921" "5183085" "5186992" "5188621" "5192290" "5197977" "5203772" "5211658" "5217484" "5222969" "5222970" "5224953" "5226911" "5226913" "5228453" "5234456" "5238004" "5250071" "5256146" "5258042" "5261916" "5275173" "5304194" "5312415" "5314472" "5322501" "5336205" "5341818" "5342387" "5350397" "5354295" "5354309" "5368049" "5373856" "5382259" "5383887" "5395390" "5405377" "5409015" "5411475" "5413597" "5415664" "5417708" "5423829" "5433723" "5441516" "5443478" "5443498" "5484449" "5500013" "5514115" "5514176" "5520194" "5522822" "5522836" "5523092" "5527336" "5540701" "5549624" "5562641" "5562698" "5569245" "5578074" "5582619" "5603694" "5607445" "5609627" "5613981" "5624461" "5637113" "5638827" "5639277" "5643254" "5649949" "5645564" "5653726" "5653727" "5666968" "5667522" "5676697" "5690643" "5690666" "5690671" "5693085" "5702373" "5702414" "5713907" "5722989" "5725546" "5733329" "5743905" "5746765" "5746769" "5749883" "5749891" "5749894" "5749918" "5749921" "5788653" "5797957" "5800455" "5800526" "5814062" "5824059" "5944733" "5947963" "5984929" "5989242" "6059815") .PN.	USPAT	2002/11/17 18:26
-	1	6197005.URPN.	USPAT	2002/11/17 18:27
-	12	("4084606" "4489750" "4653539" "4811758" "5112301" "5158539" "5165493" "5181921" "5401255" "5507436" "5814004" "6053896") .PN.	USPAT	2002/11/17 18:28
-	47	4819637.URPN.	USPAT	2002/11/17 18:32

-	179	251/903.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/17 18:39
-	56	427/\$.ccls. and balloon and valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/17 18:42
-	821	446/\$.ccls. and valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/17 18:42
-	36	446/\$.ccls. and valve and (pierce or puncture)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/17 18:44
-	347	basketball and valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/17 23:47
-	16942	needlevalve or (needle adj valve)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/17 22:52
-	2495	needlevalve or (needle adj valve) and (balloon or ball)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/17 22:53
-	48	needlevalve or (needle adj valve) and (balloon or ball) and deflate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/17 23:07
-	9	4946464.URPN.	USPAT	2002/11/17 23:03
-	465	604/907,921,96,103,164.01,96.01.ccls. and valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/11/17 23:08
-	0	6398894.URPN.	USPAT	2002/11/17 23:11
-	6	("3405018" "4187134" "4191375" "5320345" "5931752" "6142897").PN.	USPAT	2002/11/17 23:11
-	0	6357468.URPN.	USPAT	2002/11/17 23:14
-	2	("2942614" "3385301").PN.	USPAT	2002/11/17 23:14
-	38	3385301.URPN.	USPAT	2002/11/17 23:15
-	11	2942614.URPN.	USPAT	2002/11/17 23:19
-	3	5915407.URPN.	USPAT	2002/11/17 23:25
-	16	("2183900" "2731028" "2737969" "2841166" "3100498" "3310064" "3401714" "3410299" "3584671" "3905387" "4014048" "4274633" "5083581" "5090223" "5167561" "5358001").PN.	USPAT	2002/11/17 23:25
-	4	5358001.URPN.	USPAT	2002/11/17 23:26
-	4	4274633.URPN.	USPAT	2002/11/17 23:28

-	1	"1641382".PN.	USPAT	2002/11/17 23:28
-	4	3905387.URPN.	USPAT	2002/11/17 23:28
-	10	4662357.URPN.	USPAT	2002/11/17 23:29
-	0	6060639.URPN.	USPAT	2002/11/17 23:31
-	45	("3600718" "3839743" "3839821" "3883902" "3902198" "3919724" "3934274" "4190040" "4201202" "4216774" "4217889" "4253201" "4263682" "4413359" "4428364" "4520821" "4523584" "4566466" "4619245" "4662357" "4671255" "4685447" "4726404" "4738657" "4773393" "4773908" "4798584" "4802479" "4834720" "4840615" "4857053" "4863470" "4955906" "4955907" "4969899" "4992312" "5066303" "5085890" "5133753" "5137529" "5139841" "5141508" "5354275" "5403293" "5725507").PN.	USPAT	2002/11/17 23:31
-	13	5403293.URPN.	USPAT	2002/11/17 23:32
-	11	("3171412" "4781693" "4781702" "5071404" "5178107" "5199948" "5251873" "5254097" "5290241" "5295657" "5295658").PN.	USPAT	2002/11/17 23:34
-	10	4969899.URPN.	USPAT	2002/11/17 23:37
-	10	"693890"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/17 23:50
-	9	4773908.URPN.	USPAT	2002/11/17 23:48
-	0	BeckerHilton.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/17 23:51
-	19	Becker.in. and Hilton	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/17 23:52
-	110	600/29,30,31,32.ccls. and balloon and valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/18 08:44
-	0	(micro adj balloon) with method and valve and (hole or slit or pierce or puncture)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/18 08:46
-	2	(microballoon) with method and valve and (hole or slit or pierce or puncture)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/18 08:46
-	65	4364392.URPN.	USPAT	2002/11/18 08:50
-	0	microballoon and (valve with (slit or pierce\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 08:01

-	270	balloon and (valve with (slit or pierce\$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 10:23
-	55	4545367.URPN.	USPAT	2002/11/19 09:55
-	13	("4085757" "4517979" "4545367" "4638803" "4836204" "5041090" "5258042" "5443478" "5451235" "5634936" "5725535" "5827171" "6165193").PN.	USPAT	2002/11/19 09:56
-	9539	balloon and valve ((drip adj coat\$4) or dripcoat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 10:25
-	0	balloon and valve and ((drip adj coat\$4) or dripcoat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 10:25
-	532	balloon and valve and coat	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 10:25
-	2978	balloon and valve and coat\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 10:29
-	2112	balloon and valve and integral	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 10:30
-	250	balloon and valve and coat\$4 and implant and silicone	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 10:29
-	43	("4101984" "4343788" "4479795" "4677143" "4769013" "4872867" "5019096" "5053048" "5059166" "5067491" "5102402" "5108424" "5112457" "5197977" "5217493" "5244654" "5282823" "5298255" "5304121" "5314688" "5342348" "5344411" "5344444" "5345933" "5348873" "5356433" "5380299" "5383927" "5383928" "5419760" "5443458" "5447724" "5449382" "5455040" "5457113" "5464450" "5554181" "5569463" "5607475" "5609629" "5716981" "5824049" "5873904").PN.	USPAT	2002/11/19 10:31
-	744	microballoon	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 10:38
-	829	silicon and valve and balloon	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 14:19

-	165	600/29,30,31,32.ccls. and balloon	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 14:55
-	62	604/96.01,99.02,99.03,99.04.ccls. and (balloon with implant\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 10:58
-	21	5304123.URPN.	USPAT	2002/11/19 11:03
-	245	600/29.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 13:48
-	183	balloon and dip and silicon	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 14:19
-	678	balloon and dip\$5 and silicon	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 14:20
-	398	balloon and dip\$5 and silicone and valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 14:52
-	1002	(ball or bladder or bubble) and dip\$5 and silicone and valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 14:44
-	833	((ball or bladder or bubble) and dip\$5 and silicone and valve) not (balloon and dip\$5 and silicone and valve)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 14:45
-	7	balloon and dip\$5 and silicone and valve	USOCR	2002/11/19 14:54
-	3729	(600/\$.ccls. or 128/\$.ccls. or 604/\$.ccls.) and balloon and valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 14:56
-	1293	(600/\$.ccls. or 128/\$.ccls. or 604/\$.ccls.) and balloon and valve and silicone	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/19 14:59
-	245	(600/\$.ccls. or 128/\$.ccls. or 604/\$.ccls.) and balloon and valve and silicone and (pierce or hole or slit) and (detach or implant\$4 or unitary)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 10:22
-	65	4364392.URPN.	USPAT	2002/11/19 15:08
-	164	(pierce or puncture) with valve and balloon	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 09:56
-	8956	(pierc\$4 or puncture\$4 or seal\$4) with valve with ball\$9	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 10:08

-	263	silicon and ((pierc\$4 or puncture\$1 or seal\$4) with valve with ball\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 10:16
-	293	(600/\$.ccls. or 128/\$.ccls. or 604/\$.ccls.) and balloon and (valve with (pierce or hole or slit))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 10:26
-	27	(600/\$.ccls. or 128/\$.ccls. or 604/\$.ccls.) and balloon and (valve with (pierce or hole or slit)) and implant	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 10:34
-	26	RE32348.URPN.	USPAT	2003/03/24 10:32
-	0	basketball with valve with pierce	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 10:34
-	2656	\$4ball\$4 with valve with (slit or inflat\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 11:56
-	22	\$4ball\$4 with valve with pierce	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 11:56
-	16	ball\$9 with (self adj seal adj valve)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 17:08
-	2	\$9ball with (self adj seal adj valve)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 17:09
-	266	600/29.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/03/24 17:56
-	14	(balloon or ball) and (fluid with tight with seal) with (puncture or pierce or slit or hole) and unitary	USPAT	2003/07/21 15:34
-	91	(balloon or ball) and (fluid with tight with seal) with (puncture or pierce or slit or hole)	USPAT	2003/07/21 15:46
-	77	((balloon or ball) and (fluid with tight with seal) with (puncture or pierce or slit or hole)) not ((balloon or ball) and (fluid with tight with seal) with (puncture or pierce or slit or hole) and unitary)	USPAT	2003/07/21 15:35
-	135	(balloon or ball) and ((fluid or air) with tight with seal) with (puncture or pierce or slit or hole)	USPAT	2003/07/21 15:48
-	58	((balloon or ball) and ((fluid or air) with tight with seal) with (puncture or pierce or slit or hole)) not ((balloon or ball) and (fluid with tight with seal) with (puncture or pierce or slit or hole)) not ((balloon or ball) and (fluid with tight with seal) with (puncture or pierce or slit or hole) and unitary))	USPAT	2003/07/21 15:53

-	3651	valve with unitary	USPAT	2003/07/21 15:53
-	668	valve with (unitary or integral) with (ball or balloon)	USPAT	2003/07/21 15:54
-	255	valve with (unitary or integral) with (ball or balloon) and (pierce or hole or slit)	USPAT	2003/07/22 14:39